

Applicant	:	Morgan et al.
Serial No.	:	09/980,133
Filing Date	:	February 22, 2002
Page No.	:	2

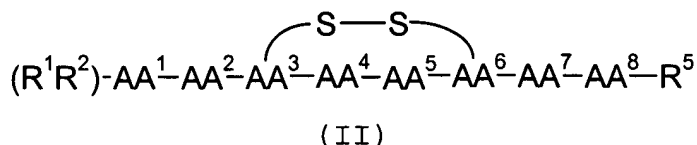
# AMENDMENTS TO THE CLAIMS

(Amendments are illustrated by showing deletions by ~~striketrough~~ or [[double brackets]] and additions by underlining)

What is claimed is:

1 (canceled)

2 (currently amended): A compound ~~according to claim 1, wherein said compound is~~ of formula (II):



or a pharmaceutically acceptable salt thereof,  
wherein

AA<sup>1</sup> is absent or the D- or L-isomer of an amino acid selected from the group consisting of R<sup>11</sup>, Aac, Aic, Arg, Asn, Asp, Dip, Gln, Glu, Hyp, Lys, Mac, Macab, Orn, Pip, Pro, Ser, Ser(Bzl), Thr, Thr(Bzl), Pip, hArg, Bip, Bpa, Tic, Cmp, [[,]] Inc, Inp, Nip, Ppc, Htic, Thi, Tra, Cmpi, Tpr, [[,]] Iia, Alla, Aba, Gba, Car, Ipa, Iaa, Inip, Apa, Mim, Thnc, Sala, Aala, Thza, Thia, Bal, Fala, Pala, Dap, Agly, Pgly, Ina, Dipa, Mnf, Inic, I-Iqc, 3-Iqc, C4c, 5-Iqs, Htqa, 4-Mqc, Thn, α-Chpa, Cit, Nua, Pyp and an optionally substituted aromatic α-amino acid,

wherein said optionally substituted aromatic α-amino acid is optionally substituted with one or more substituents selected from the group consisting of halogen, NO<sub>2</sub>, OH, CN, (C<sub>1-6</sub>)alkyl, (C<sub>2-6</sub>)alkenyl, (C<sub>2-6</sub>)alkynyl, and NR<sup>9</sup>R<sup>10</sup>;

AA<sup>2</sup> is absent or the D- or L-isomer of an amino acid selected from the group consisting of R<sup>11</sup>, Aic, Arg, Hca, His, Hyp, Pal, F<sub>5</sub>-Phe, Phe, Pro, Trp, X<sup>0</sup>-Phe, Pip, hArg, Bip, Bpa, Tic, Cmp, [[,]] Inc, Inp, Nip, Ppc, Htic, Thi, Tra, Cmpi, Tpr, [[,]] Iia, Alla, Aba, Gba, Car, Ipa, Iaa, Inip, Apa, Mim, Thnc, Sala, Aala, Thza, Thia, Bal, Fala, Pala, Dap, Agly, Pgly, Ina, Dipa, Mnf, Inic, I-Iqc, 3-Iqc, C4c, 5-

Iqs, Htqa, 4-Mqc, Thn,  $\alpha$ -Chpa, Cit, Nua, and ~~Pyp~~, AA<sup>3</sup> Pyp; AA<sup>3</sup> is the D- or L-isomer of an amino acid selected from the group consisting of Cys, hCys, Pen, Tpa and Tmpa;

AA<sup>4</sup> is a D- or L-isomer of an amino acid selected from the group consisting of Trp, N-Met-Trp,  $\beta$ -Met-Trp, His, hHis, hArg, Bip, Tic, [[,]] Htic, Dip, Sala, Aala, Thza, Thia, Bal, Fala, Pala, and an optionally substituted aromatic  $\alpha$ -amino acid,

wherein said optionally substituted aromatic  $\alpha$ -amino acid is optionally substituted with one or more substituents each independently selected from the group consisting of halogen, NO<sub>2</sub>, OH, (C<sub>1-4</sub>)alkyl, (C<sub>2-4</sub>)alkenyl, (C<sub>2-4</sub>)alkynyl, Bzl, O-Bzl, and NR<sup>9</sup>R<sup>10</sup>;

AA<sup>5</sup> is a D- or L-isomer of an amino acid selected from the group consisting of 4-Pip-Gly, 4-Pip-Ala, *cis*-4-Acha, *trans*-4-Acha, *trans*-4-Amcha, hLys, Lys, Orn, hArg, Bip, Tic, [[,]] Htic, Dip, Sala, Aala, Thza, Thia, Bal, Fala, and Pala,

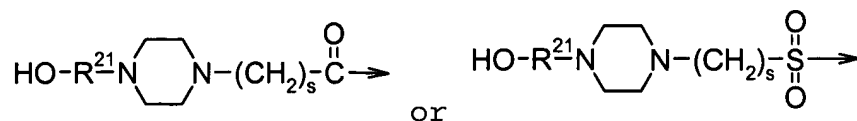
wherein the side-chain amino group of said amino acid is optionally mono- or di-substituted with R<sup>3</sup> and R<sup>4</sup>;

AA<sup>6</sup> is a D- or L-isomer of an amino acid selected from the group consisting of Cys, hCys, Pen, Tpa, and Tmpa;

AA<sup>7</sup> is absent or a D- or L-isomer of an amino acid selected from the group consisting of R<sup>11</sup>, Aic, A3c, A4c, A5c, A6c, Abu, Aib,  $\beta$ -Ala, Arg, Bpa, Cha, Deg, Gaba, His, Ile, Leu, Nal, Nle, Pal, Phe, F<sub>5</sub>-Phe, Pro, Sar, Ser, Ser(Bzl), Thr, Thr(Bzl), Trp, N-Me-Trp, Val, N-Me-Val, hArg, Bip, Tic, [[,]] Htic, Dip, Sala, Aala, Thza, Thia, Bal, Fala, Pala, and X<sup>0</sup>-Phe;

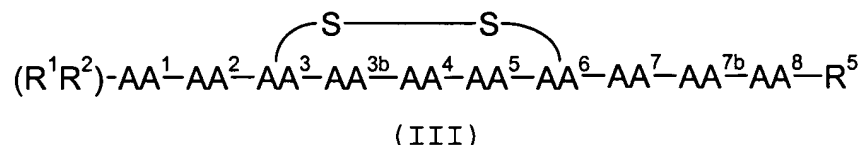
AA<sup>8</sup> is absent or the D- or L-isomer of an amino acid selected from the group consisting of R<sup>11</sup>, an optionally substituted aromatic  $\alpha$ -amino acid, Maa, Maaab, Ser, Ser(Bzl), Thr, Thr(Bzl), Tyr, Phe(4-O-Bzl), F<sub>5</sub>-Phe, and X<sup>5</sup>-Phe;

R<sup>13</sup> is a moiety according to the formula



wherein R<sup>21</sup> is (C<sub>1-4</sub>)alkyl and s is 1, 2, 3, or 4; and X<sup>0</sup> is halogen, NO<sub>2</sub>, CH<sub>3</sub>, OH, Bzl, O-Bzl or CN; provided that at least one of AA<sup>7</sup> or AA<sup>8</sup> is present.

3 (currently amended): A compound ~~according to claim 1, wherein said compound is~~ of formula (III):



or a pharmaceutically acceptable salt thereof, wherein

AA<sup>1</sup> is absent or the D- or L-isomer of an amino acid selected from the group consisting of R<sup>11</sup>, Aac, Aic, Arg, Asn, Asp, Gln, Glu, Hca, His, Hyp, Lys, Mac, Macab, Orn, Pro, Ser, Ser(Bzl), Thr, Thr(Bzl), Pip, hArg, Bip, Bpa, Tic, Cmp, [[,]] Inc, Inp, Nip, Ppc, Htic, Thi, Tra, Cmpi, Tpr, [[,]] Iia, Alla, Aba, Gba, Car, Ipa, Iaa, Inip, Apa, Mim, Thnc, Sala, Aala, Thza, Thia, Bal, Fala, Pala, Dap, Agly, Pgly, Ina, Dipa, Mnf, Inic, I-Iqc, 3-Iqc, C4c, 5-Iqs, Htqa, 4-Mqc, Thn, α-Chpa, Cit, Nua, Pyp and an optionally substituted aromatic α-amino acid,

wherein said optionally substituted aromatic α-amino acid is optionally substituted with one or more substituents selected from the group consisting of halogen, NO<sub>2</sub>, OH, CN, (C<sub>1-6</sub>)alkyl, (C<sub>2-6</sub>)alkenyl, (C<sub>2-6</sub>)alkynyl, and NR<sup>9</sup>R<sup>10</sup>; AA<sup>3</sup> is a D- or L-isomer of an amino acid selected from the group consisting of Cys, hCys, Pen, Tpa, and Tmpa; AA<sup>3b</sup> is the D- or L-isomer of an amino acid selected from the group consisting of R<sup>11</sup>, Arg, Bpa, F<sub>5</sub>-Phe, His, Nal, Pal, 4-Pal, Phe, Trp, hArg, Bip, Tic, [[,]] Htic, Dip, Sala, Aala, Thza, Thia, Bal, Fala, Pala, and X<sup>5</sup>-Phe;

Applicant	:	Morgan et al.
Serial No.	:	09/980,133
Filing Date	:	February 22, 2002
Page No.	:	5

AA<sup>4</sup> is a D- or L-isomer of an amino acid selected from the group consisting of Trp, N-Met-Trp,  $\beta$ -Met-Trp, His, hHis, hArg, Bip, Tic, [[,]] Htic, Dip, Sala, Aala, Thza, Thia, Bal, Fala, Pala, and an optionally substituted aromatic  $\alpha$ -amino acid;

wherein said optionally substituted aromatic  $\alpha$ -amino acid is optionally substituted with one or more substituents each independently selected from the group consisting of halogen, NO<sub>2</sub>, OH, CN, (C<sub>1-4</sub>)alkyl, (C<sub>2-4</sub>)alkenyl, (C<sub>2-4</sub>)alkynyl, Bzl, O-Bzl, and NR<sup>9</sup>R<sup>10</sup>;

AA<sup>5</sup> is a D- or L-isomer of an amino acid selected from the group consisting of 4-Pip-Gly, 4-Pip-Ala, *cis*-4-Acha, *trans*-4-Acha, *trans*-4-Amcha, hLys, Lys, ~~and~~ Orn, ~~and~~ hArg, Bip, Tic, [[,]] Htic, Dip, Sala, Aala, Thza, Thia, Bal, Fala, and Pala,

wherein the side-chain amino group of said amino acid is optionally mono- or di-substituted with R<sup>3</sup> and R<sup>4</sup>;

AA<sup>6</sup> is a D- or L-isomer of an amino acid selected from the group consisting of Cys, hCys, Pen, Tpa, and Tmpa;

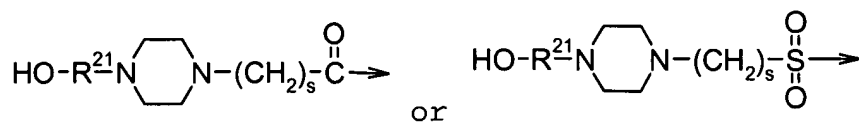
AA<sup>7</sup> is absent or a D- or L-isomer of an amino acid selected from the group consisting of R<sup>11</sup>, Aic, A3c, A4c, A5c, A6c, Abu, Aib,  $\beta$ -Ala, Arg, Bpa, Cha, Deg, Gaba, His, Ile, Leu, Nal, Nle, Pal, Phe, F<sub>5</sub>-Phe, Pro, Sar, Ser, Ser(Bzl), Thr, Thr(Bzl), Trp, N-Me-Trp, Val, N-Me-Val, hArg, Bip, Tic, [[,]] Htic, Dip, Sala, Aala, Thza, Thia, Bal, Fala, Pala, and X<sup>0</sup>-Phe;

X<sup>0</sup> is halogen, NO<sub>2</sub>, CH<sub>3</sub>, OH, CN, Bzl or O-Bzl;

R<sup>1</sup> and R<sup>2</sup> each is, independently, H, E-, E(O)<sub>2</sub>S-, E(O)C-, EEOC-, R<sup>13</sup>, or absent;

R<sup>5</sup> is -OR<sup>6</sup> or -NR<sup>7</sup>R<sup>8</sup>;

R<sup>13</sup> is a moiety of the formula



wherein R<sup>21</sup> is (C<sub>1-4</sub>)alkyl and s is 1, 2, 3, or 4;

provided that:

at least one of AA<sup>1</sup> or AA<sup>2</sup> is present;

when AA<sup>1</sup> is a D- or L-isomer of Pro, Hyp, Arg, Pip, hArg, Bip, Bpa, Tic, Cmp, [[,]] Inc, Inp, Nip, Ppc, Htic, Thi, Tra, Cmpi, Tpr, [[,]] Iia, Alla, Aba, Gba, Car, Ipa, Iaa, Inip, Apa, Mim, Thnc, Sala, Aala, Thza, Thia, Bal, Fala, Pala, Dap, Agly, Pgly, Ina, Dipa, Mnf, Inic, I-Iqc, 3-Iqc, C4c, 5-Iqs, Htqa, 4-Mqc, Thn, α-Chpa, Cit, Nua, Pyp or His, AA<sup>2</sup> cannot be a D- or L-isomer of Pro, Hyp, Arg, Pip, hArg, Bip, Bpa, Tic, Cmp, [[,]] Inc, Inp, Nip, Ppc, Htic, Thi, Tra, Cmpi, Tpr, [[,]] Iia, Alla, Aba, Gba, Car, Ipa, Iaa, Inip, Apa, Mim, Thnc, Sala, Aala, Thza, Thia, Bal, Fala, Pala, Dap, Agly, Pgly, Ina, Dipa, Mnf, Inic, I-Iqc, 3-Iqc, C4c, 5-Iqs, Htqa, 4-Mqc, Thn, α-Chpa, Cit, Nua, Pyp or His;

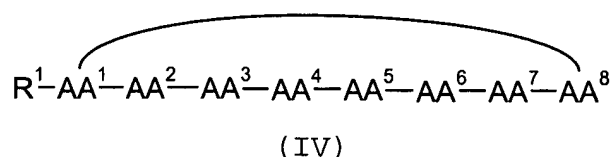
when AA<sup>7</sup> is a D- or L-isomer of Thr or of Ser, AA<sup>8</sup> cannot be a D- or L-isomer of Thr or of Ser;

at least one of AA<sup>1</sup>, AA<sup>2</sup>, AA<sup>3b</sup>, AA<sup>7</sup>, AA<sup>7b</sup>, or AA<sup>8</sup> is the D- or L-isomer of R<sup>11</sup>; and

when one of X<sup>2</sup> or X<sup>3</sup> is =O or =S, the other is absent;

or a pharmaceutically acceptable salt thereof.

4 (currently amended): A compound ~~according to claim 1, wherein said compound is~~ of formula (IV):



wherein

AA<sup>1</sup> is absent or the D- or L-isomer of an amino acid selected from the group consisting of R<sup>11</sup>, Aic, Hyp, Pro, Ser, Ser(Bzl), Thr, Thr(Bzl), Tic, Htic, Fala and an optionally substituted aromatic α-amino acid;

wherein said optionally substituted aromatic α-amino acid is optionally substituted with one or more substituents

Applicant	:	Morgan et al.
Serial No.	:	09/980,133
Filing Date	:	February 22, 2002
Page No.	:	7

each independently selected from the group consisting of halogen, NO<sub>2</sub>, OH, CN, (C<sub>1-6</sub>)alkyl, (C<sub>2-6</sub>)alkenyl, (C<sub>2-6</sub>)alkynyl, (C<sub>1-6</sub>)alkoxy, Bzl, O-Bzl, and NR<sup>9</sup>R<sup>10</sup>;

AA<sup>2</sup> is absent or the D- or L-isomer of an amino acid selected from the group consisting of R<sup>11</sup>, Arg, F<sub>5</sub>-Phe, His, Pal, Phe, Trp, hArg, Pala, Bal, Fala, [[,]] Sala and X<sup>0</sup>-Phe;

AA<sup>3</sup> is the D- or L-isomer of an optionally substituted aromatic α-amino acid, wherein said optionally substituted aromatic α-amino acid is optionally substituted with one or more substituents selected from the group consisting of halogen, NO<sub>2</sub>, OH, CN, (C<sub>1-4</sub>)alkyl, (C<sub>2-4</sub>)alkenyl, (C<sub>2-4</sub>)alkynyl, Bzl, O-Bzl, and NR<sup>9</sup>R<sup>10</sup>;

AA<sup>4</sup> is a D- or L-isomer of an optionally substituted amino acid selected from the group consisting of Trp, N-Met-Trp, β-Me-Trp, Lys, Orn, hLys, cis-4-Acha, trans-4-Acha, trans-4-Amcha, 4-Pip-Gly, 4-Pip-Ala, hArg, Bip, Tic, Htic, Dip, Sala, Aala, Thza, Thia, Bal, Fala, and Pala;

wherein the side chain amino group of said optionally substituted amino acid is optionally substituted with R<sup>3</sup> and R<sup>4</sup>;

AA<sup>5</sup> is absent or a D- or L-isomer of R<sup>11</sup>, A3c, A4c, A5c, A6c, Abu, Aib, Aic, β-Ala, Bpa, Cha, Deg, F<sub>5</sub>-Phe, Gaba, Ile, Leu, Nal, Nle, Pal, Phe, Pro, Sar, Ser, Ser(Bzl), Thr, Thr(Bzl), Trp, N-Me-Trp, Val, N-Me-Val, hArg, Bip, Tic, [[,]] Htic, Dip, Sala, Aala, Thza, Thia, Bal, Fala, Pala, or X<sup>0</sup>-Phe;

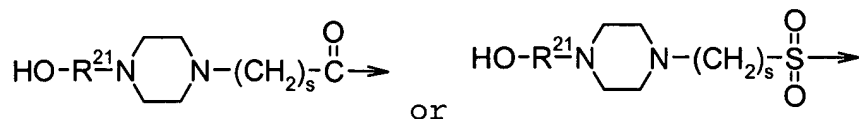
AA<sup>6</sup> is absent, the D- or L-isomer of R<sup>11</sup>, an aromatic α-amino acid, F<sub>5</sub>-Phe, Phe, Thr, Thr(Bzl), Ser, Ser(Bzl), or X<sup>0</sup>-Phe;

AA<sup>7</sup> is absent, the D- or L-isomer of R<sup>11</sup> or the D- or L-isomer of an aromatic α-amino acid;

AA<sup>8</sup> is a D- or L- isomer of R<sup>11</sup>;

R<sup>1</sup> is H, E-, E(O)<sub>2</sub>S-, E(O)C-, EOO- or R<sup>13</sup>;

R<sup>13</sup> is a moiety of the formula



Applicant	:	Morgan et al.
Serial No.	:	09/980,133
Filing Date	:	February 22, 2002
Page No.	:	8

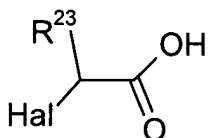
wherein  $R^{21}$  is  $(C_{1-4})$ alkyl and  $s$  is 1, 2, 3, or 4;  
 $X^0$  in the definition of  $AA^2$  and  $AA^5$  is halogen,  $NO_2$ , OH,  
 $(C_{1-6})$ alkyl,  $(C_{1-6})$ alkoxy, mono- or di- $(C_{1-6})$ alkylamino, Bzl or  
O-Bzl;

$X^0$  in the definition of  $AA^6$  is halogen,  $NO_2$ , OH,  $(C_{1-6})$ alkyl,  
 $(C_{1-6})$ alkoxy, mono- or di- $(C_{1-6})$ alkylamino, Bzl, O-Bzl, or  
 $NR^9R^{10}$ ;

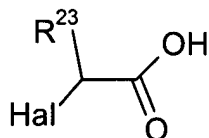
provided that:

at least one of  $AA^1$  or  $AA^2$  is present;  
when  $AA^1$  is absent,  $AA^2$  and  $AA^8$  together form a bond; and  
at least two of  $AA^5$ ,  $AA^6$ , and  $AA^7$  are present;  
or a pharmaceutically acceptable salt thereof.

5 (original): A compound according to claim 2, wherein  
 $AA^1$  is absent, Ac-D-Phe, or the D- or L- isomer of  $R^{11}$ , Pip,  
Pro, or Ser, or of an aromatic  $\alpha$ -amino acid selected from  
the group consisting of Cpa, Dip, Nal, Pal, and Phe;



$AA^2$  is absent, Aic, Pal, Phe,  $F_5$ -Phe, 4- $NO_2$ -Phe, Trp, Tyr,  
Phe(4-O-Bzl)



$AA^3$  is the D- or L- isomer of an amino acid selected from  
the group consisting of Pen, Cys, hCys and Tmpa;

$AA^4$  is the D- or L-isomer of Trp, His, N-Me-Trp,  $\beta$ -Me-Trp,  
hTrp, or hHis;

$AA^5$  is Lys, hLys, N-Me-Lys, Orn, cis-4-Acha or 4-Pip-Ala;

$AA^6$  is the D- or L-isomer of an amino acid selected from the  
group consisting of Cys, hCys, Pen and Tmpa;

Applicant : Morgan et al.  
Serial No. : 09/980,133  
Filing Date : February 22, 2002  
Page No. : 9

AA<sup>7</sup> is A3c, A4c, A5c, A6c, Abu, Aic,  $\beta$ -Ala, Gaba, Nle, F<sub>5</sub>-Phe, Phe, Pro, Sar, Ser, Thr, Thr(Bzl), Tyr, Val or absent; and

AA<sup>8</sup> is R<sup>11</sup>, Nal, Thr, Thr(Bzl), Tyr, Phe(4-O-Bzl), or absent; or a pharmaceutically acceptable salt thereof.

6 (original): A compound according to claim 5, wherein AA<sup>1</sup> is absent or the D- or L- isomer of R<sup>11</sup>, Pip or Pro, or of an aromatic  $\alpha$ -amino acid selected from the group consisting of Cpa, Dip, Nal, Pal, Phe, and Ac-Phe;

AA<sup>2</sup> is Tyr, Pal, Phe, 4-NO<sub>2</sub>-Phe, Trp, or absent;

AA<sup>3</sup> is a D- or L-isomer of Cys or Pen;

AA<sup>4</sup> is D-Trp;

AA<sup>5</sup> is Lys, Orn, or cis-4-Acha;

AA<sup>6</sup> is a D- or L-isomer of Cys or Pen;

AA<sup>7</sup> is A3c, A4c, A5c, A6c, Abu, Aic,  $\beta$ -Ala, Gaba, Nle, Phe, Pro, Sar, Thr, Thr(Bzl), Tyr, Val, or absent; and

AA<sup>8</sup> is R<sup>11</sup>, Thr, Tyr, Nal, or absent;

or a pharmaceutically acceptable salt thereof.

7 (original): A compound according to claim 3, wherein AA<sup>1</sup> is R<sup>11</sup>, Aic, Hca, Pro, Ser, Ser(Bzl), Trp, Tyr, or a D- or L-isomer of an aromatic  $\alpha$ -amino acid selected from the group consisting of Cpa, Nal, Ac-Nal, Phe, Ac-Phe, 4-NO<sub>2</sub>-Phe, and Ac-4-NO<sub>2</sub>-Phe;

AA<sup>2</sup> is Pal, Phe, F<sub>5</sub>-Phe, Tyr, or absent;

AA<sup>3</sup> is a D- or L-isomer of Cys, hCys, Pen or Tmpa;

AA<sup>3b</sup> is Pal, 4-Pal, His, Trp, Tyr, Phe(4-O-Bzl), Phe, or R<sup>11</sup>;

AA<sup>4</sup> is a D- or L-isomer of Trp or His;

AA<sup>5</sup> is Lys, N-Me-Lys, Orn, hLys, cis-4-Acha, or 4-Pip-Ala;

AA<sup>6</sup> is a D- or L-isomer of Cys, hCys, Pen or Tmpa;

AA<sup>7</sup> is R<sup>11</sup>, A4c, A5c, Abu,  $\beta$ -Ala, Gaba, Phe, F<sub>5</sub>-Phe, Ser(Bzl), Thr, Thr(Bzl), Phe(4-O-Bzl), or absent;



Applicant : Morgan et al.  
Serial No. : 09/980,133  
Filing Date : February 22, 2002  
Page No. : 10

AA<sup>7b</sup> is R<sup>11</sup>, Nal, F<sub>5</sub>-Phe, X<sup>0</sup>-Phe or absent, wherein X<sup>0</sup> is halogen, NO<sub>2</sub>, CH<sub>3</sub>, OH, Bzl or O-Bzl; and

AA<sup>8</sup> is R<sup>11</sup>, Nal, Tyr, Phe(4-O-Bzl), or absent;

or a pharmaceutically acceptable salt thereof.

8 (original): A compound according to claim 7, wherein AA<sup>1</sup> is R<sup>11</sup>, Aic, Hca, Pro, Ser(Bzl), or a D- or L-isomer of an aromatic  $\alpha$ -amino acid selected from the group consisting of Cpa, Nal, Ac-Nal, Phe, Ac-Phe, 4-NO<sub>2</sub>-Phe, and Ac-4-NO<sub>2</sub>-Phe;

AA<sup>2</sup> is Pal, Tyr, or absent;

AA<sup>3</sup> is a D- or L-isomer of Cys or Pen;

AA<sup>3b</sup> is R<sup>11</sup>, Pal, 4-Pal, Trp, Tyr, Phe(4-O-Bzl), or Phe, wherein R<sup>11</sup> is (T)aeg;

AA<sup>4</sup> is D-Trp;

AA<sup>5</sup> is Lys, N-Me-Lys, Orn, or cis-4-Acha;

AA<sup>6</sup> is a D- or L-isomer of Cys or Pen;

AA<sup>7</sup> is R<sup>11</sup>, A5c, Abu, Ser(Bzl), Thr, Thr(Bzl), Phe(4-O-Bzl), Gaba, or absent;

AA<sup>7b</sup> is Nal, X<sup>0</sup>-Phe or absent; and

AA<sup>8</sup> is Tyr or absent;

or a pharmaceutically acceptable salt thereof.

9 (original): A compound according to claim 4, wherein AA<sup>1</sup> is Aic, Hyp, Cpa, D-Cpa, Nal, Pal, Phe, Pro, R<sup>11</sup>, Tyr or absent;

AA<sup>2</sup> is Phe, Trp, F<sub>5</sub>-Phe, His, Tyr, Phe(4-O-Bzl), or R<sup>11</sup>;

AA<sup>3</sup> is a D-isomer of Trp, His, or Pal;

AA<sup>4</sup> is Lys, N-Me-Lys, Orn, hLys, cis-4-Acha, or 4-Pip-Ala;

AA<sup>5</sup> is Pal, Phe(4-O-Bzl), Thr(Bzl), Thr, Sar, Gaba,  $\beta$ -Ala, A4c, A5c, A6c, Abu, Aic or absent;

AA<sup>6</sup> is Thr, Tyr, Ser, F<sub>5</sub>-Phe, Cpa, Nal, or D- or L-Phe;

AA<sup>7</sup> is Nal, Pal, or absent; and

AA<sup>8</sup> is R<sup>11</sup>;

or a pharmaceutically acceptable salt thereof.

Applicant	:	Morgan et al.
Serial No.	:	09/980,133
Filing Date	:	February 22, 2002
Page No.	:	11

10 (original): A compound according to claim 9, wherein

AA<sup>1</sup> is Cpa, Nal, Pal, Phe, Tyr or absent;

AA<sup>2</sup> is Phe, Tyr, Trp, or R<sup>11</sup>;

AA<sup>3</sup> is D-Trp;

AA<sup>4</sup> is Lys, N-Me-Lys, or cis-4-Acha;

AA<sup>5</sup> is Pal, Phe(4-O-Bzl), Aic, Gaba, A5c or absent;

AA<sup>6</sup> is Thr, Nal, or D- or L-Phe;

AA<sup>7</sup> is absent; and

AA<sup>8</sup> is R<sup>11</sup>;

or a pharmaceutically acceptable salt thereof.

11 (original): A compound according to claim 2, wherein R<sup>1</sup> and R<sup>5</sup> are absent and the N-terminal amino acid and the C-terminal amino acid together form an amide bond; or a pharmaceutically acceptable salt thereof.

12 (original): A compound according to claim 3, wherein R<sup>1</sup> and R<sup>5</sup> are absent and the N-terminal amino acid and the C-terminal amino acid together form an amide bond; or a pharmaceutically acceptable salt thereof.

13 (original): A compound according to claim 6, wherein said compound is of the formula:

Ac-D-Phe-Tyr-cyclo(D-Cys-D-Trp-Lys-Cys)-Abu-Thr-NH<sub>2</sub>;

Nal-Tyr-cyclo(Cys-D-Trp-Lys-D-Cys)-Val-Nal-NH<sub>2</sub>;

Nal-Tyr-cyclo(Cys-D-Trp-Lys-D-Cys)-Abu-Nal-NH<sub>2</sub>;

D-Dip-Tyr-cyclo(Cys-D-Trp-Lys-D-Cys)-Abu-Nal-NH<sub>2</sub>;

Dip-Tyr-cyclo(D-Cys-D-Trp-Lys-D-Cys)-Abu-Nal-NH<sub>2</sub>;

Nal-Tyr-cyclo(D-Cys-D-Trp-Lys-D-Cys)-Abu-Nal-NH<sub>2</sub>;

Dip-Tyr-cyclo(D-Cys-D-Trp-Lys-D-Cys)-Val-Nal-NH<sub>2</sub>;

Nal-Tyr-cyclo(D-Cys-D-Trp-Lys-D-Cys)-Val-Nal-NH<sub>2</sub>;

cyclo(D-Phe-Tyr-cyclo(D-Cys-D-Trp-Lys-Cys)-Abu-Thr);

Cpa-Pal-cyclo(D-Cys-D-Trp-Lys-D-Cys)-A3c-Nal-NH<sub>2</sub>;

Applicant	:	Morgan et al.
Serial No.	:	09/980,133
Filing Date	:	February 22, 2002
Page No.	:	12

Cpa-Pal-cyclo(D-Cys-D-Trp-Lys-D-Cys)-A5c-Nal-NH<sub>2</sub>;  
 Cpa-Pal-cyclo(D-Cys-D-Trp-Lys-D-Cys)-A6c-Nal-NH<sub>2</sub>;  
 (G(z)) aeg-cyclo(D-Cys-D-Trp-Lys-D-Cys)-A5c-Nal-NH<sub>2</sub>;  
 Pal-cyclo(D-Cys-D-Trp-Lys-D-Cys)-A5c-Nal-NH<sub>2</sub>;  
 Cpa-Pal-cyclo(D-Cys-D-Trp-Lys-D-Cys)-β-Ala-Nal-NH<sub>2</sub>;  
 Cpa-Pal-cyclo(D-Cys-D-Trp-Lys-D-Cys)-Sar-Nal-NH<sub>2</sub>;  
 Cpa-Pal-cyclo(D-Cys-D-Trp-Lys-D-Cys)-Gaba-Nal-NH<sub>2</sub>;  
 Cpa-Pal-cyclo(D-Cys-D-Trp-Lys-D-Cys)-Pro-Nal-NH<sub>2</sub>;  
 Pro-Phe-c(D-Cys-D-Trp-Lys-D-Cys)-Nle-Phe-NH<sub>2</sub>;  
 Pro-Phe-c(D-Cys-D-Trp-Lys-D-Cys)-Thr-Nle-NH<sub>2</sub>;  
 Pro-Phe-c(D-Cys-D-Trp-Lys-D-Cys)-Thr-Phe-NH<sub>2</sub>;  
 Cpa-Phe-c(D-Cys-D-Trp-Lys-D-Cys)-Gaba-NH<sub>2</sub>;  
 Cpa-Phe-c(D-Cys-D-Trp-Lys-D-Cys)-Gaba-Tyr-NH<sub>2</sub>;  
 Pip-Phe-c(D-Cys-D-Trp-Lys-D-Cys)-NH<sub>2</sub>;  
 Pip-Phe-c(Cys-D-Trp-Lys-Cys)-Gaba-NH<sub>2</sub>; or  
 Pro-Phe-c(D-Cys-D-Trp-Lys-D-Cys)-Thr-NH<sub>2</sub>;  
 or a pharmaceutically acceptable salt thereof.

14 (original): A compound according to claim 6, wherein said compound is according to the formula:

Phe-cyclo(Cys-D-Trp-Lys-Cys)-Thr-NH<sub>2</sub>;  
 Phe-Tyr-cyclo(D-Cys-D-Trp-Lys-Cys)-Abu-Thr-NH<sub>2</sub>;  
 Ac-D-Phe-Tyr-cyclo(D-Cys-D-Trp-Lys-Cys)-Abu-Thr-NH<sub>2</sub>;  
 Nal-Tyr-cyclo(Cys-D-Trp-Lys-D-Cys)-Val-Nal-NH<sub>2</sub>;  
 Nal-Tyr-cyclo(Cys-D-Trp-Lys-D-Cys)-Abu-Nal-NH<sub>2</sub>;  
 Dip-Tyr-cyclo(D-Cys-D-Trp-Lys-D-Cys)-Abu-Nal-NH<sub>2</sub>;  
 Nal-Tyr-cyclo(D-Cys-D-Trp-Lys-D-Cys)-Abu-Nal-NH<sub>2</sub>;  
 Dip-Tyr-cyclo(D-Cys-D-Trp-Lys-D-Cys)-Val-Nal-NH<sub>2</sub>;  
 Nal-Tyr-cyclo(D-Cys-D-Trp-Lys-D-Cys)-Val-Nal-NH<sub>2</sub>;  
 Cpa-Pal-cyclo(D-Cys-D-Trp-Lys-D-Cys)-A3c-Nal-NH<sub>2</sub>;  
 Cpa-Pal-cyclo(D-Cys-D-Trp-Lys-D-Cys)-A5c-Nal-NH<sub>2</sub>;  
 Cpa-Pal-cyclo(D-Cys-D-Trp-Lys-D-Cys)-A6c-Nal-NH<sub>2</sub>;  
 (G(z)) aeg-cyclo(D-Cys-D-Trp-Lys-D-Cys)-A5c-Nal-NH<sub>2</sub>;  
 D-Cpa-cyclo(Cys-D-Trp-Lys-D-Cys)-A5c-Nal-NH<sub>2</sub>;  
 Pal-cyclo(D-Cys-D-Trp-Lys-D-Cys)-A5c-Nal-NH<sub>2</sub>;

Applicant	:	Morgan et al.
Serial No.	:	09/980,133
Filing Date	:	February 22, 2002
Page No.	:	13

Cpa-cyclo(D-Cys-D-Trp-Lys-D-Cys)-A5c-Nal-NH<sub>2</sub>;  
 Cpa-Pal-cyclo(D-Cys-D-Trp-Lys-D-Cys)-β-Ala-Nal-NH<sub>2</sub>;  
 Cpa-Pal-cyclo(D-Cys-D-Trp-Lys-D-Cys)-Sar-Nal-NH<sub>2</sub>;  
 Cpa-Pal-cyclo(D-Cys-D-Trp-Lys-D-Cys)-Aic-Nal-NH<sub>2</sub>;  
 Cpa-Pal-cyclo(D-Cys-D-Trp-Lys-D-Cys)-Gaba-Nal-NH<sub>2</sub>;  
 Cpa-Pal-cyclo(D-Cys-D-Trp-Lys-D-Cys)-Pro-Nal-NH<sub>2</sub>;  
 (T)aeg-cyclo(D-Cys-D-Trp-Lys-D-Cys)-(A)aeg-NH<sub>2</sub>;  
 Cpa-Pal-cyclo(D-Cys-D-Trp-Lys-D-Cys)-A4c-Nal-NH<sub>2</sub>;  
 Cpa-Pal-cyclo(D-Cys-D-Trp-Lys-D-Cys)-Nal-NH<sub>2</sub>;  
 Pal-cyclo(D-Cys-D-Trp-Lys-D-Cys)-Nal-NH<sub>2</sub>;  
 Pro-Phe-cyclo(Cys-D-Trp-Lys-D-Cys)-Val-NH<sub>2</sub>;  
 Pro-Phe-cyclo(D-Cys-D-Trp-Lys-Cys)-Val-NH<sub>2</sub>;  
 Pip-4-NO<sub>2</sub>-Phe-cyclo(D-Cys-D-Trp-Lys-D-Cys)-Nle-NH<sub>2</sub>;  
 (G)aeg-Pal-cyclo(D-Cys-D-Trp-Lys-D-Cys)-Thr(Bzl)-  
 (C)aeg-NH<sub>2</sub>; or  
 (C)aeg-Pal-cyclo(D-Cys-D-Trp-Lys-D-Cys)-Thr(Bzl)-  
 (G)aeg-NH<sub>2</sub>;  
 or a pharmaceutically acceptable salt thereof.

15 (original): A compound according to claim 8, wherein said compound is according to the formula

Nal-cyclo(D-Cys-Tyr-D-Trp-Lys-Cys)-Nal-NH<sub>2</sub>;  
 D-Nal-cyclo(D-Cys-Tyr-D-Trp-Lys-Cys)-Nal-NH<sub>2</sub>;  
 D-Phe-cyclo(Cys-Tyr-D-Trp-Lys-Cys)-Thr-NH<sub>2</sub>;  
 D-4-NO<sub>2</sub>-Phe-cyclo(D-Cys-Tyr-D-Trp-Lys-Cys)-Nal-NH<sub>2</sub>;  
 Ac-D-4-NO<sub>2</sub>-Phe-cyclo(D-Cys-Tyr-D-Trp-Lys-Cys)-Nal-NH<sub>2</sub>;  
 D-4-NO<sub>2</sub>-Phe-Pal-cyclo(D-Cys-Phe(4-O-Bzl)-D-Trp-Lys-Cys)-Tyr-NH<sub>2</sub>;  
 Cpa-cyclo(D-Cys-Pal-D-Trp-Lys-Cys)-Thr(Bzl)-Tyr-NH<sub>2</sub>;  
 D-4-NO<sub>2</sub>-Phe-cyclo(D-Cys-Pal-D-Trp-Lys-Cys)-Thr-Tyr-NH<sub>2</sub>;  
 D-4-NO<sub>2</sub>-Phe-cyclo(D-Cys-Pal-D-Trp-Lys-Cys)-Thr(Bzl)-NH<sub>2</sub>;  
 D-4-NO<sub>2</sub>-Phe-cyclo(D-Cys-Pal-D-Trp-Lys-D-Cys)-Thr(Bzl)-  
 Tyr-NH<sub>2</sub>;  
 D-4-NO<sub>2</sub>-Phe-cyclo(D-Cys-Tyr-D-Trp-Lys-Cys)-Thr(Bzl)-  
 Tyr-NH<sub>2</sub>;

Applicant	:	Morgan et al.
Serial No.	:	09/980,133
Filing Date	:	February 22, 2002
Page No.	:	14

4-NO<sub>2</sub>-Phe-cyclo (D-Cys-Pal-D-Trp-Lys-Cys) -Thr (Bzl) -Tyr-NH<sub>2</sub>;

D-Nal-cyclo (D-Cys-Pal-D-Trp-Lys-Cys) -Thr (Bzl) -Tyr-NH<sub>2</sub>;

Pro-cyclo (D-Cys-Pal-D-Trp-Lys-Cys) -Thr (Bzl) -Tyr-NH<sub>2</sub>;

Cpa-cyclo (D-Cys-Pal-D-Trp-Lys-Cys) -Thr (Bzl) -Nal-NH<sub>2</sub>;

Ser (Bzl) -cyclo (D-Cys-Pal-D-Trp-Lys-Cys) -Thr-Tyr-NH<sub>2</sub>;

(T) aeg-cyclo (D-Cys-Pal-D-Trp-Lys-D-Cys) -Thr (Bzl) -Tyr-NH<sub>2</sub>;

(A) aeg-cyclo (D-Cys-Pal-D-Trp-Lys-Cys) -Thr (Bzl) -Tyr-NH<sub>2</sub>;

(G) aeg-cyclo (D-Cys-Pal-D-Trp-Lys-Cys) -Thr (Bzl) -Tyr-NH<sub>2</sub>;

(T) aeg-cyclo (D-Cys-4-Pal-D-Trp-Lys-Cys) -Thr (Bzl) -Tyr-NH<sub>2</sub>;

(T) aeg-cyclo (D-Cys-Tyr-D-Trp-Lys-Cys) -Thr (Bzl) -Tyr-NH<sub>2</sub>;

(T) aeg-cyclo (D-Cys-Phe-D-Trp-Lys-Cys) -Thr (Bzl) -Tyr-NH<sub>2</sub>;

(T) aeg-cyclo (D-Cys- (T) aeg-D-Trp-Lys-Cys) -Thr (Bzl) -Tyr-NH<sub>2</sub>;

(T) aeg-cyclo (D-Cys-Pal-D-Trp-Lys-Cys) -Ser (Bzl) -Tyr-NH<sub>2</sub>;

(T) aeg-cyclo (D-Cys-Pal-D-Trp-Lys-Cys) -Phe (4-O-Bzl) -Tyr-NH<sub>2</sub>;

(T) aeg-cyclo (D-Cys-Pal-D-Trp-Lys-Cys) -A5c-Tyr-NH<sub>2</sub>;

(T) aeg-cyclo (D-Cys-Pal-D-Trp-Lys-Cys) -Abu-Tyr-NH<sub>2</sub>;

D-Cpa-cyclo (D-Cys- (T) aeg-D-Trp-Lys-Cys) -Thr (Bzl) -Tyr-NH<sub>2</sub>;

(C) aeg-c (D-Cys-Pal-D-Trp-Lys-D-Cys) -Thr (Bzl) -Tyr-NH<sub>2</sub>;

D-Cpa-c (D-Cys-Pal-D-Trp-Lys-D-Cys) Thr (Bzl) -Tyr-NH<sub>2</sub>;

(T) aeg-c (Pen-Pal-D-Trp-Lys-D-Cys) Thr (Bzl) -Tyr-NH<sub>2</sub>;

(T) aeg-c (D-Cys-Trp-D-Trp-Lys-D-Cys) Thr (Bzl) -Tyr-NH<sub>2</sub>;

(T) aeg-c (D-Cys-Phe-D-Trp-Lys-D-Cys) Thr (Bzl) -Tyr-NH<sub>2</sub>;

(T) aeg-c (D-Cys-Pal-D-Trp-Orn-D-Cys) Thr (Bzl) -Tyr-NH<sub>2</sub>;

(T) aeg-c (D-Cys-Pal-D-Trp-hLys-D-Cys) Thr (Bzl) -Tyr-NH<sub>2</sub>;

(T) aeg-c (D-Cys-Pal-D-Trp-Iamp-D-Cys) Thr (Bzl) -Tyr-NH<sub>2</sub>;

(T) aeg-c (D-Cys-Pal-D-Trp-Cha (4-am) -D-Cys) Thr (Bzl) -Tyr-NH<sub>2</sub>;

(T) aeg-c (D-Cys-Pal-D-Trp-Lys-D-Cys) -Ser (Bzl) -Tyr-NH<sub>2</sub>;

(T) aeg-c (D-Cys-Pal-D-Trp-Lys-D-Cys) Thr (Bzl) -D-Tyr-NH<sub>2</sub>;

Applicant	:	Morgan et al.
Serial No.	:	09/980,133
Filing Date	:	February 22, 2002
Page No.	:	15

(T) aeg-c (D-Cys-Pal-D-Trp-Lys-D-Cys) Thr (Bzl) -Trp-NH<sub>2</sub>;  
 (T) aeg-c (D-Cys-Pal-D-Trp-Lys-D-Pen) Thr (Bzl) -Tyr-NH<sub>2</sub>;  
 (C) aeg-c (D-Cys-Phe-D-Trp-Lys-D-Cys) Thr (Bzl) -Tyr-NH<sub>2</sub>;  
 Ina-c (D-Cys-Phe-D-Trp-Lys-D-Cys) -Thr (Bzl) -Tyr-NH<sub>2</sub>;  
 Mnf-c (D-Cys-Phe-D-Trp-Lys-D-Cys) -Thr (Bzl) -Tyr-NH<sub>2</sub>;  
 Inp-c (D-Cys-Phe-D-Trp-Lys-D-Cys) -Thr (Bzl) -Tyr-NH<sub>2</sub>;  
 Nua-c (D-Cys-Phe-D-Trp-Lys-D-Cys) -Thr (Bzl) -Tyr-NH<sub>2</sub>;  
 (T) aeg-Pal-c (D-Cys-D-Trp-Lys-D-Cys) Thr (Bzl) -Tyr-NH<sub>2</sub>;  
 (T) aeg-Pal-c (D-Cys-D-Trp-Lys-D-Cys) Tyr (Bzl) -Thr-NH<sub>2</sub>;  
 (C) aeg-Phe-c (D-Cys-D-Trp-Lys-D-Cys) Thr (Bzl) -Tyr-NH<sub>2</sub>; or  
 (T) aeg-D-Trp-c (D-Cys-Pal-Lys-D-Cys) Thr (Bzl) -Leu-NH<sub>2</sub>;  
 or a pharmaceutically acceptable salt thereof.

16 (currently amended): A compound according to claim 8, wherein said compound is according to the formula

Hca-cyclo (D-Cys-Tyr-D-Trp-Lys-Cys) -Nal-NH<sub>2</sub>;  
 Ac-Nal-cyclo (D-Cys-Tyr-D-Trp-Lys-Cys) -Nal-NH<sub>2</sub>;  
 Ac-D-Phe-cyclo (D-Cys-Tyr-D-Trp-Lys-Cys) -Nal-NH<sub>2</sub>;  
 Ac-D-Nal-cyclo (D-Cys-Tyr-D-Trp-Lys-Cys) -Nal-NH<sub>2</sub>;  
 D-Phe-cyclo (D-Cys-Tyr-D-Trp-Lys-Cys) -Nal-NH<sub>2</sub>;  
 Nal-cyclo (D-Cys-Tyr-D-Trp-Lys-Cys) -Nal-NH<sub>2</sub>;  
 D-Nal-cyclo (D-Cys-Tyr-D-Trp-Lys-Cys) -Nal-NH<sub>2</sub>;  
 D-Phe-cyclo (Cys-Tyr-D-Trp-Lys-Cys) -Thr-NH<sub>2</sub>;  
 D-4-NO<sub>2</sub>-Phe-cyclo (D-Cys-Tyr-D-Trp-Lys-Cys) -Nal-NH<sub>2</sub>;  
 Ac-D-4-NO<sub>2</sub>-Phe-cyclo (D-Cys-Tyr-D-Trp-Lys-Cys) -Nal-NH<sub>2</sub>;  
 D-4-NO<sub>2</sub>-Phe-Pal-cyclo (D-Cys-Phe (4-O-Bzl) -D-Trp-Lys-Cys) -Tyr-NH<sub>2</sub>;  
 D-4-NO<sub>2</sub>-Phe-cyclo (D-Cys-Pal-D-Trp-Lys-Cys) -Thr (Bzl) -Tyr-NH<sub>2</sub>;  
 Cpa-cyclo (D-Cys-Pal-D-Trp-Lys-Cys) -Thr (Bzl) -Tyr-NH<sub>2</sub>;  
 D-4-NO<sub>2</sub>-Phe-cyclo (D-Cys-Pal-D-Trp-Lys-Cys) -Thr (Bzl) -NH<sub>2</sub>;  
 D-4-NO<sub>2</sub>-Phe-cyclo (D-Cys-Pal-D-Trp-Lys-D-Cys) -Thr (Bzl) -Tyr-NH<sub>2</sub>;  
 D-4-NO<sub>2</sub>-Phe-cyclo (D-Cys-Tyr-D-Trp-Lys-Cys) -Thr (Bzl) -Tyr-NH<sub>2</sub>;

Applicant	:	Morgan et al.
Serial No.	:	09/980,133
Filing Date	:	February 22, 2002
Page No.	:	16

4-NO<sub>2</sub>-Phe-cyclo(D-Cys-Pal-D-Trp-Lys-Cys)-Thr(Bzl)-Tyr-NH<sub>2</sub>;  
 D-Nal-cyclo(D-Cys-Pal-D-Trp-Lys-Cys)-Thr(Bzl)-Tyr-NH<sub>2</sub>;  
 Pro-cyclo(D-Cys-Pal-D-Trp-Lys-Cys)-Thr(Bzl)-Tyr-NH<sub>2</sub>;  
 Cpa-cyclo(D-Cys-Pal-D-Trp-Lys-Cys)-Thr(Bzl)-Nal-NH<sub>2</sub>;  
 Ser(Bzl)-cyclo(D-Cys-Pal-D-Trp-Lys-Cys)-Thr-Tyr-NH<sub>2</sub>;  
 (T)aeg-cyclo(D-Cys-Pal-D-Trp-Lys-Cys)-Thr(Bzl)-Tyr-NH<sub>2</sub>;  
 (C)aeg-cyclo(D-Cys-Pal-D-Trp-Lys-Cys)-Thr(Bzl)-Tyr-NH<sub>2</sub>;  
 Aic-cyclo(D-Cys-Pal-D-Trp-Lys-Cys)-Thr(Bzl)-Tyr-NH<sub>2</sub>;  
 (C(z))aeg-cyclo(D-Cys-Pal-D-Trp-Lys-Cys)-Thr(Bzl)-Tyr-NH<sub>2</sub>;  
 (A(z))aeg-cyclo(D-Cys-Pal-D-Trp-Lys-Cys)-Thr(Bzl)-Tyr-NH<sub>2</sub>;  
 (T)aeg-cyclo(D-Cys-Pal-D-Trp-Lys-D-Cys)-Thr(Bzl)-Tyr-NH<sub>2</sub>;  
 (A)aeg-cyclo(D-Cys-Pal-D-Trp-Lys-Cys)-Thr(Bzl)-Tyr-NH<sub>2</sub>;  
 (G)aeg-cyclo(D-Cys-Pal-D-Trp-Lys-Cys)-Thr(Bzl)-Tyr-NH<sub>2</sub>;  
 (T)aeg-cyclo(D-Cys-4-Pal-D-Trp-Lys-Cys)-Thr(Bzl)-Tyr-NH<sub>2</sub>;  
 (T)aeg-cyclo(D-Cys-Tyr-D-Trp-Lys-Cys)-Thr(Bzl)-Tyr-NH<sub>2</sub>;  
 (T)aeg-cyclo(D-Cys-Phe-D-Trp-Lys-Cys)-Thr(Bzl)-Tyr-NH<sub>2</sub>;  
 (T)aeg-cyclo(D-Cys-(T)aeg-D-Trp-Lys-Cys)-Thr(Bzl)-Tyr-NH<sub>2</sub>;  
 (T)aeg-cyclo(D-Cys-Pal-D-Trp-Lys-Cys)-Ser(Bzl)-Tyr-NH<sub>2</sub>;  
 (T)aeg-cyclo(D-Cys-Pal-D-Trp-Lys-Cys)-Phe(4-O-Bzl)-Tyr-NH<sub>2</sub>;  
 (T)aeg-cyclo(D-Cys-Pal-D-Trp-Lys-Cys)-A5c-Tyr-NH<sub>2</sub>;  
 (T)aeg-cyclo(D-Cys-Pal-D-Trp-Lys-Cys)-Abu-Tyr-NH<sub>2</sub>;  
 D-Cpa-cyclo(D-Cys-(T)aeg-D-Trp-Lys-Cys)-Thr(Bzl)-Tyr-NH<sub>2</sub>;  
 (T)aeg-cyclo(D-Cys-Pal-D-Trp-Lys-D-Cys)-Thr(Bzl)-p-Me-Phe-NH<sub>2</sub>;  
 Ac-(T)aeg-cyclo(D-Cys-Pal-D-Trp-Lys-D-Cys)-Thr(Bzl)-Tyr-NH<sub>2</sub>;  
 (T)aeg-cyclo(D-Cys-Pal-D-Trp-Lys-D-Cys)-Nal-NH<sub>2</sub>;

Applicant	:	Morgan et al.
Serial No.	:	09/980,133
Filing Date	:	February 22, 2002
Page No.	:	17

D-Cpa-cyclo(D-Cys-Pal-D-Trp-Lys-D-Cys)-Nal-NH<sub>2</sub>;  
 (A) aeg-cyclo(D-Cys-Pal-D-Trp-Lys-D-Cys)-Thr(Bzl)-Tyr-NH<sub>2</sub>; ~~(C) aeg-~~  
(C) aeg-cyclo(D-Cys-Pal-D-Trp-Lys-D-Cys)-Thr(Bzl)-Tyr-NH<sub>2</sub>;  
 (C) aeg-c(D-Cys-Pal-D-Trp-Lys-D-Cys)-Thr(Bzl)-Tyr-NH<sub>2</sub>;  
 D-Cpa-c(D-Cys-Pal-D-Trp-Lys-D-Cys)Thr(Bzl)-Tyr-NH<sub>2</sub>;  
 (T) aeg-c(Pen-Pal-D-Trp-Lys-D-Cys)Thr(Bzl)-Tyr-NH<sub>2</sub>;  
 (T) aeg-c(D-Cys-Trp-D-Trp-Lys-D-Cys)Thr(Bzl)-Tyr-NH<sub>2</sub>;  
 (T) aeg-c(D-Cys-Phe-D-Trp-Lys-D-Cys)Thr(Bzl)-Tyr-NH<sub>2</sub>;  
 (T) aeg-c(D-Cys-Pal-D-Trp-Orn-D-Cys)Thr(Bzl)-Tyr-NH<sub>2</sub>;  
 (T) aeg-c(D-Cys-Pal-D-Trp-hLys-D-Cys)Thr(Bzl)-Tyr-NH<sub>2</sub>;  
 (T) aeg-c(D-Cys-Pal-D-Trp-Iamp-D-Cys)Thr(Bzl)-Tyr-NH<sub>2</sub>;  
 (T) aeg-c(D-Cys-Pal-D-Trp-Cha(4-am)-D-Cys)Thr(Bzl)-Tyr-NH<sub>2</sub>;  
 (T) aeg-c(D-Cys-Pal-D-Trp-Lys-D-Cys)-Ser(Bzl)-Tyr-NH<sub>2</sub>;  
 (T) aeg-c(D-Cys-Pal-D-Trp-Lys-D-Cys)Thr(Bzl)-D-Tyr-NH<sub>2</sub>;  
 (T) aeg-c(D-Cys-Pal-D-Trp-Lys-D-Cys)Thr(Bzl)-Trp-NH<sub>2</sub>;  
 (T) aeg-c(D-Cys-Pal-D-Trp-Lys-D-Pen)Thr(Bzl)-Tyr-NH<sub>2</sub>;  
 (C) aeg-c(D-Cys-Phe-D-Trp-Lys-D-Cys)Thr(Bzl)-Tyr-NH<sub>2</sub>;  
 Ina-c(D-Cys-Phe-D-Trp-Lys-D-Cys)-Thr(Bzl)-Tyr-NH<sub>2</sub>;  
 Mnf-c(D-Cys-Phe-D-Trp-Lys-D-Cys)-Thr(Bzl)-Tyr-NH<sub>2</sub>;  
 Inp-c(D-Cys-Phe-D-Trp-Lys-D-Cys)-Thr(Bzl)-Tyr-NH<sub>2</sub>;  
 Nua-c(D-Cys-Phe-D-Trp-Lys-D-Cys)-Thr(Bzl)-Tyr-NH<sub>2</sub>;  
 (T) aeg-Pal-c(D-Cys-D-Trp-Lys-D-Cys)Thr(Bzl)-Tyr-NH<sub>2</sub>;  
 (T) aeg-Pal-c(D-Cys-D-Trp-Lys-D-Cys)Tyr(Bzl)-Thr-NH<sub>2</sub>;  
 (C) aeg-Phe-c(D-Cys-D-Trp-Lys-D-Cys)Thr(Bzl)-Tyr-NH<sub>2</sub>; or  
 (T) aeg-D-Trp-c(D-Cys-Pal-Lys-D-Cys)Thr(Bzl)-Leu-NH<sub>2</sub>;  
 or a pharmaceutically acceptable salt thereof.

17 (original): A compound according to claim 10,  
 wherein said compound is according to the formula  
 cyclo(Trp-D-Trp-Lys-Phe(4-O-Bzl)-Phe-(T) aeg);  
 cyclo(Trp-D-Trp-Lys-Pal-Phe-(T) aeg); or  
 cyclo(Phe-Phe-D-Trp-Lys-Thr-(T) aeg);



Applicant : Morgan et al.  
Serial No. : 09/980,133  
Filing Date : February 22, 2002  
Page No. : 18

or a pharmaceutically acceptable salt thereof.

18 (original): A method of eliciting a neuromedin B receptor agonist effect in a subject in need thereof, wherein said method comprises administering to said subject an effective amount of a compound according to claim 13 or a pharmaceutically acceptable salt thereof.

19 (original): A method of eliciting a somatostatin receptor agonist effect in a subject in need thereof, wherein said method comprises administering to said subject an effective amount of a compound according to claim 14 or a pharmaceutically acceptable salt thereof.

20 (original): A method of eliciting a neuromedin B receptor agonist effect in a subject in need thereof, wherein said method comprises administering to said subject an effective amount of a compound according to claim 15 or a pharmaceutically acceptable salt thereof.

21 (original): A method of eliciting a somatostatin receptor agonist effect in a subject in need thereof, wherein said method comprises administering to said subject an effective amount of a compound according to claim 16 or a pharmaceutically acceptable salt thereof.

22 (original): A method of eliciting a somatostatin receptor agonist effect in a subject in need thereof, wherein said method comprises administering to said subject an effective amount of a compound according to claim 17 or a pharmaceutically acceptable salt thereof, provided said compound is not

cyclo(Trp-D-Trp-Lys-Phe(4-O-Bzl)-Phe-(T)aeg); or  
cyclo(Trp-D-Trp-Lys-Pal-Phe-(T)aeg).

Applicant : Morgan et al.  
Serial No. : 09/980,133  
Filing Date : February 22, 2002  
Page No. : 19

23 (original): A method of eliciting a SSTR-1 agonist effect in a subject in need thereof, wherein said method comprises administering to said subject an effective amount of a compound according to claim 14 or a pharmaceutically acceptable salt thereof, provided said compound is not

Nal-Tyr-cyclo(Cys-D-Trp-Lys-D-Cys)-Val-Nal-NH<sub>2</sub>;  
Nal-Tyr-cyclo(Cys-D-Trp-Lys-D-Cys)-Abu-Nal-NH<sub>2</sub>;  
Dip-Tyr-cyclo(D-Cys-D-Trp-Lys-D-Cys)-Abu-Nal-NH<sub>2</sub>;  
Nal-Tyr-cyclo(D-Cys-D-Trp-Lys-D-Cys)-Abu-Nal-NH<sub>2</sub>;  
Dip-Tyr-cyclo(D-Cys-D-Trp-Lys-D-Cys)-Val-Nal-NH<sub>2</sub>;  
Nal-Tyr-cyclo(D-Cys-D-Trp-Lys-D-Cys)-Val-Nal-NH<sub>2</sub>;  
Cpa-Pal-cyclo(D-Cys-D-Trp-Lys-D-Cys)-A3c-Nal-NH<sub>2</sub>;  
Cpa-Pal-cyclo(D-Cys-D-Trp-Lys-D-Cys)-A5c-Nal-NH<sub>2</sub>;  
Cpa-Pal-cyclo(D-Cys-D-Trp-Lys-D-Cys)-A6c-Nal-NH<sub>2</sub>;  
(G(z)) aeg-cyclo(D-Cys-D-Trp-Lys-D-Cys)-A5c-Nal-NH<sub>2</sub>;  
D-Cpa-cyclo(Cys-D-Trp-Lys-D-Cys)-A5c-Nal-NH<sub>2</sub>;  
Pal-cyclo(D-Cys-D-Trp-Lys-D-Cys)-A5c-Nal-NH<sub>2</sub>;  
Cpa-cyclo(D-Cys-D-Trp-Lys-D-Cys)-A5c-Nal-NH<sub>2</sub>;  
Cpa-Pal-cyclo(D-Cys-D-Trp-Lys-D-Cys)- $\beta$ -Ala-Nal-NH<sub>2</sub>;  
cyclo(D-Cys-D-Trp-Lys-D-Cys)-A5c-Nal-NH<sub>2</sub>;  
Cpa-Pal-cyclo(D-Cys-D-Trp-Lys-D-Cys)-Sar-Nal-NH<sub>2</sub>;  
Cpa-Pal-cyclo(D-Cys-D-Trp-Lys-D-Cys)-Aic-Nal-NH<sub>2</sub>;  
Cpa-Pal-cyclo(D-Cys-D-Trp-Lys-D-Cys)-Gaba-Nal-NH<sub>2</sub>; or  
Cpa-Pal-cyclo(D-Cys-D-Trp-Lys-D-Cys)-Pro-Nal-NH<sub>2</sub>.

24 (original): A method of eliciting a SSTR-1 agonist effect in a subject in need thereof, wherein said method comprises administering to said subject an effective amount of a compound according to claim 16 or a pharmaceutically acceptable salt thereof provided said compound is not

Ac-D-Phe-cyclo(D-Cys-Tyr-D-Trp-Lys-Cys)-Nal-NH<sub>2</sub>;  
Ac-D-Nal-cyclo(D-Cys-Tyr-D-Trp-Lys-Cys)-Nal-NH<sub>2</sub>;  
D-Phe-cyclo(D-Cys-Tyr-D-Trp-Lys-Cys)-Nal-NH<sub>2</sub>;  
Nal-cyclo(D-Cys-Tyr-D-Trp-Lys-Cys)-Nal-NH<sub>2</sub>;  
D-Nal-cyclo(D-Cys-Tyr-D-Trp-Lys-Cys)-Nal-NH<sub>2</sub>;

Applicant	:	Morgan <i>et al.</i>
Serial No.	:	09/980,133
Filing Date	:	February 22, 2002
Page No.	:	20

D-4-NO<sub>2</sub>-Phe-cyclo (D-Cys-Pal-D-Trp-Lys-Cys) -Thr (Bzl) -  
 Tyr-NH<sub>2</sub>;  
 Cpa-cyclo (D-Cys-Pal-D-Trp-Lys-Cys) -Thr (Bzl) -Tyr-NH<sub>2</sub>;  
 D-4-NO<sub>2</sub>-Phe-cyclo (D-Cys-Pal-D-Trp-Lys-Cys) -Thr (Bzl) -NH<sub>2</sub>;  
 D-4-NO<sub>2</sub>-Phe-cyclo (D-Cys-Pal-D-Trp-Lys-D-Cys) -Thr (Bzl) -  
 Tyr-NH<sub>2</sub>;  
 D-4-NO<sub>2</sub>-Phe-cyclo (D-Cys-Tyr-D-Trp-Lys-Cys) -Thr (Bzl) -  
 Tyr-NH<sub>2</sub>;  
 4-NO<sub>2</sub>-Phe-cyclo (D-Cys-Pal-D-Trp-Lys-Cys) -Thr (Bzl) -Tyr-  
 NH<sub>2</sub>;  
 D-Nal-cyclo (D-Cys-Pal-D-Trp-Lys-Cys) -Thr (Bzl) -Tyr-NH<sub>2</sub>;  
 Pro-cyclo (D-Cys-Pal-D-Trp-Lys-Cys) -Thr (Bzl) -Tyr-NH<sub>2</sub>;  
 Cpa-cyclo (D-Cys-Pal-D-Trp-Lys-Cys) -Thr (Bzl) -Nal-NH<sub>2</sub>;  
 Ser (Bzl) -cyclo (D-Cys-Pal-D-Trp-Lys-Cys) -Thr-Tyr-NH<sub>2</sub>;  
 (T) aeg-cyclo (D-Cys-Pal-D-Trp-Lys-Cys) -Thr (Bzl) -Tyr-NH<sub>2</sub>;  
 (C) aeg-cyclo (D-Cys-Pal-D-Trp-Lys-Cys) -Thr (Bzl) -Tyr-NH<sub>2</sub>;  
 Aic-cyclo (D-Cys-Pal-D-Trp-Lys-Cys) -Thr (Bzl) -Tyr-NH<sub>2</sub>;  
 (T) aeg-cyclo (D-Cys-Pal-D-Trp-Lys-D-Cys) -Thr (Bzl) -Tyr-  
 NH<sub>2</sub>;  
 (A) aeg-cyclo (D-Cys-Pal-D-Trp-Lys-Cys) -Thr (Bzl) -Tyr-NH<sub>2</sub>;  
 (G) aeg-cyclo (D-Cys-Pal-D-Trp-Lys-Cys) -Thr (Bzl) -Tyr-NH<sub>2</sub>;  
 (T) aeg-cyclo (D-Cys-4-Pal-D-Trp-Lys-Cys) -Thr (Bzl) -Tyr-  
 NH<sub>2</sub>;  
 (T) aeg-cyclo (D-Cys-Tyr-D-Trp-Lys-Cys) -Thr (Bzl) -Tyr-NH<sub>2</sub>;  
 (T) aeg-cyclo (D-Cys-Phe-D-Trp-Lys-Cys) -Thr (Bzl) -Tyr-NH<sub>2</sub>;  
 (T) aeg-cyclo (D-Cys- (T) aeg-D-Trp-Lys-Cys) -Thr (Bzl) -Tyr-  
 NH<sub>2</sub>;  
 (T) aeg-cyclo (D-Cys-Pal-D-Trp-Lys-Cys) -Ser (Bzl) -Tyr-NH<sub>2</sub>;  
 (T) aeg-cyclo (D-Cys-Pal-D-Trp-Lys-Cys) -Phe (4-O-Bzl) -Tyr-  
 NH<sub>2</sub>;  
 (T) aeg-cyclo (D-Cys-Pal-D-Trp-Lys-Cys) -A5c-Tyr-NH<sub>2</sub>;  
 (T) aeg-cyclo (D-Cys-Pal-D-Trp-Lys-Cys) -Abu-Tyr-NH<sub>2</sub>; or  
 D-Cpa-cyclo (D-Cys- (T) aeg-D-Trp-Lys-Cys) -Thr (Bzl) -Tyr-  
 NH<sub>2</sub>.

Applicant : Morgan et al.  
Serial No. : 09/980,133  
Filing Date : February 22, 2002  
Page No. : 21

25 (original): A pharmaceutical composition comprising an effective amount of a compound according to claim 1 or a pharmaceutically acceptable salt thereof and a pharmaceutically acceptable carrier.

26 (currently amended): A method of treating a medical condition or disease in a subject, said method comprising administering to said subject a therapeutically effective amount of a compound of claim 1, wherein said medical condition or disease is selected from the list consisting of lung cancer, glioma, anorexia, hypothyroidism, hyperaldosteronism, H. pylori proliferation, acromegaly, restenosis, Crohn's disease, systemic sclerosis, external and internal pancreatic pseudocysts and ascites, VIPoma, nesidoblastosis, hyperinsulinism, gastrinoma, Zollinger-Ellison Syndrome, diarrhea, AIDS related diarrhea, chemotherapy related diarrhea, scleroderma, Irritable Bowel Syndrome, pancreatitis, small bowel obstruction, gastroesophageal reflux, duodenogastric reflux, Cushing's Syndrome, gonadotropinoma, hyperparathyroidism, Graves' Disease, diabetic neuropathy, Paget's disease, polycystic ovary disease, thyroid cancer, hepatome, leukemia, meningioma, cancer cachexia, orthostatic hypotension, postprandial hypotension, panic attacks, GH secreting adenomas, ~~Acromegaly~~, TSH secreting adenomas, prolactin secreting adenomas, insulinoma, glucagonoma, diabetes mellitus, hyperlipidemia, insulin insensitivity, Syndrome X, angiopathy, proliferative retinopathy, dawn phenomenon, Nephropathy, gastric acid secretion, peptic ulcers, enterocutaneous fistula, pancreaticocutaneous fistula, Dumping syndrome, watery diarrhea syndrome, pancreatitis, gastrointestinal hormone secreting tumor, angiogenesis, arthritis, allograft rejection, graft vessel bleeding, portal hypertension, gastrointestinal bleeding, obesity, and opioid overdose.